



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 www.uspto.gov



Bib Data Sheet

CONFIRMATION NO. 2323

SERIAL NUMBER 10/734,228	FILING DATE 12/15/2003 RULE	CLASS 310	GROUP ART UNIT 2834	ATTORNEY DOCKET NO. 36856.1173
-----------------------------	---------------------------------------	--------------	------------------------	--------------------------------------

APPLICANTS

Takeshi Nakao, Nagaokakyo-shi, JAPAN;

Kenji Nishiyama, Nagaokakyo-shi, JAPAN;

Tetsuya Kimura, Omihachiman-shi, JAPAN; Michio Kadota, Kyoto-shi, JAPAN;

** CONTINUING DATA *****

none found

** FOREIGN APPLICATIONS *****

JAPAN 2003-011370 01/20/2003 NO

TMO

IF REQUIRED, FOREIGN FILING LICENSE GRANTED

** 03/19/2004

Foreign Priority claimed <input checked="" type="checkbox"/> yes <input type="checkbox"/> no	STATE OR COUNTRY JAPAN	SHEETS DRAWING 10	TOTAL CLAIMS 16	INDEPENDENT CLAIMS 1
35 USC 119 (a-d) conditions met <input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance				
Verified and Acknowledged <i>Phenix</i> Examiner's Signature	<i>TMO</i> Initials			

ADDRESS

54066
 MURATA MANUFACTURING COMPANY, LTD.
 C/O KEATING & BENNETT, LLP
 8180 GREENSBORO DRIVE
 SUITE 850
 MCLEAN, VA
 22102

TITLE

End surface reflection type surface acoustic wave device

FILING FEE	FEES: Authority has been given in Paper	<input type="checkbox"/> All Fees
		<input type="checkbox"/> 1.16 Fees (Filing)
		<input type="checkbox"/> 1.17 Fees (Processing Ext. of